



1754

**PATENT APPLICATION**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re application of

Docket No: Q61610

Toshio MORITA, et al.

Appln. No.: 09/878,187

Group Art Unit: 1754

Confirmation No.: 1960

Examiner: Peter J. Lish

Filed: June 12, 2001

For: CARBON FIBER, METHOD FOR PRODUCING THE SAME AND APPARATUS THEREFOR

#51a  
5/6/03  
RECEIVED  
MAY 01 2003  
GROUP 1700

**AMENDMENT UNDER 37 C.F.R. § 1.111**

Commissioner for Patents  
Washington, D.C. 20231

Sir:

In response to the Office Action of January 29, 2003, please amend the above-identified application as follows:

**IN THE CLAIMS:**

**Please cancel claims 6-12 without prejudice or disclaimer.**

**Please enter the following amended claims:**

13. (Amended) A carbon fiber obtained by a high temperature heat treatment method for carbon fiber which has been produced through thermal decomposition reaction of a carbon source and a transition metal catalyst, serving as main raw materials, which method comprises vaporizing an impurity contained in the carbon fiber, and discharging the impurity through a high-temperature section of a heat treatment furnace while being accompanied by a

21